ETC® Setup Guide

Congo® Light Server, Powered By Cobalt®

Congratulations on your purchase of the ETC Congo Light Server, powered by Cobalt. The Congo Light Server may be configured to run the Cobalt application as a server, backup, or client in a Cobalt or Congo Family system, powered by Cobalt.

- When the unit is configured as a server, it is the master and maintains the show file and controls output to the lighting system.
- When the unit is configured as a backup, the unit will perform synchronized backup with a server and will take control of the lighting system upon the loss of communication with the server.
- When the unit is configured as a client, you can access real time inputs and outputs of the lighting system through the server.

This document will guide you in the setup and simple operation of the Congo Light Server for use with Cobalt systems, and Congo Family systems, powered by Cobalt. For more information, please consult the Cobalt User Manual, provided with the Congo Light Server on the included CD-ROM, or download the manual from www.etcconnect.com/cobalt.

Check Shipping Contents

Check the shipping carton to ensure all contents have arrived and are undamaged. Your Light Server ships with the following items:

- USB Mouse
- Congo Family User Manual (on CD)
- IEC Power cords with International connector selection
- USB Keyboard
- 19” Rack Mount Kit

Electrical and Environmental Specification

- Operating temperature - 100-240VAC, 50-60Hz (2 amps at 120 VAC)
- Ambient temperature and humidity - 0 to 40 degrees C, 95% non-condensing humidity maximum
- Storage temperature and humidity - 0 to 40 degrees C, 95% non-condensing humidity
- CE and ETL Compliant
- Installation Category II, Indoor use only
- Pollution degree 2
- May operate up to 2000 meters altitude

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Web: www.etcconnect.com ■ QSF 4.1.9.1 ■ Copyright © 2014 ETC. All Rights Reserved. ■ Product information and specifications subject to change.
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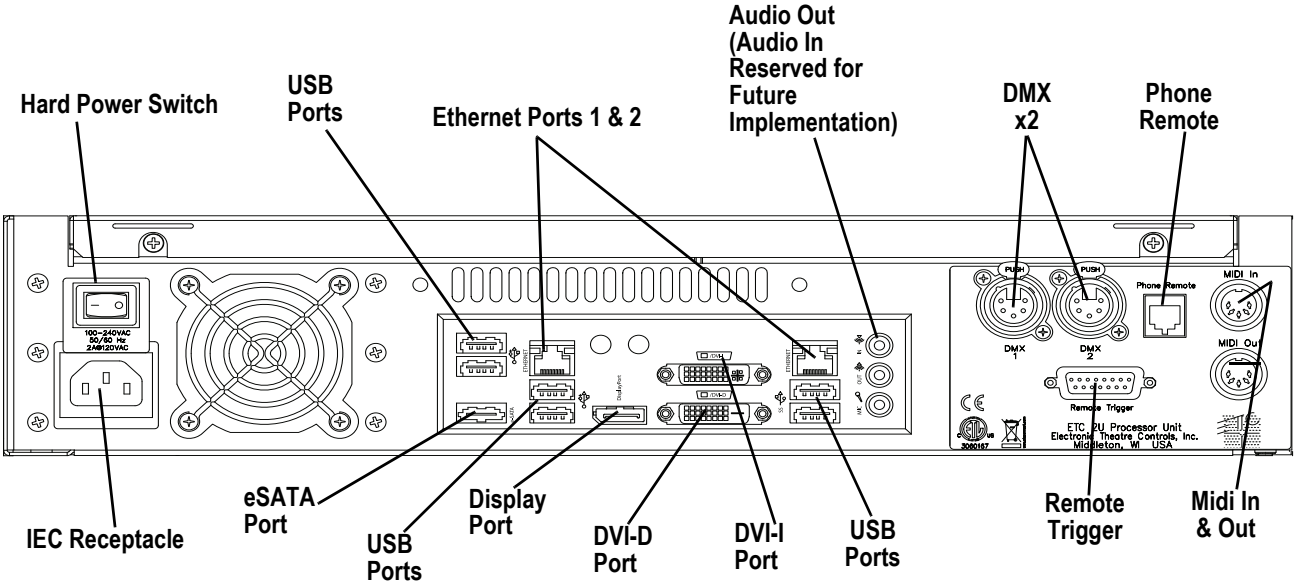
Hardware Setup

Connect Cables



Step 1: Attach the appropriate IEC power cord to the power connector, then to the IEC receptacle.

Step 2: Connect any monitors to the proper ports on the back of the Light Server.

Congo Light Server supports up to 2 monitors using the following combinations:			
Signal Type / Physical Port	**Display Port**	**DVI**	**VGA**
Display Port	Yes	Yes with Adapter	Yes with Active Adapter
DVI-I Port	No	Yes	Yes with Adapter
DVI-D Port	No	Yes	No
Multitouch monitors need to be Windows 7 or 8 Compatible.			

Step 3: Connect the USB mouse and keyboard to the USB connectors.

Step 4: Attach a network ethernet cable to the ethernet port.

Step 5: Connect optional cables as desired including remote trigger, midi, DMX, and phone remote.

Step 6: When all connections are made, switch the hard power switch on.

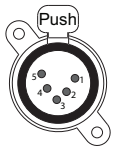
Step 7: Press the soft power switch, on the front of the unit, to power up the Light Server.

Note: *If the unit does not power up, check the rear panel to insure the hard power switch is on.*

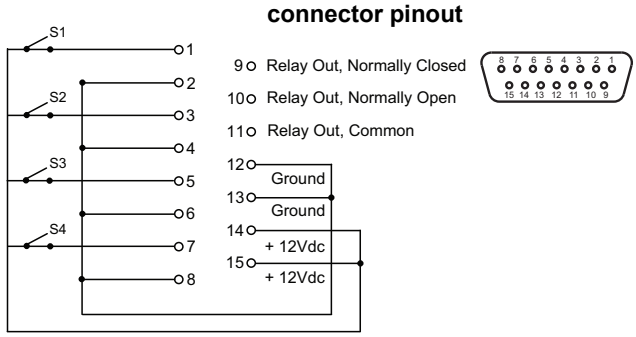
Connector Pinouts

DMX 512 connector pinout

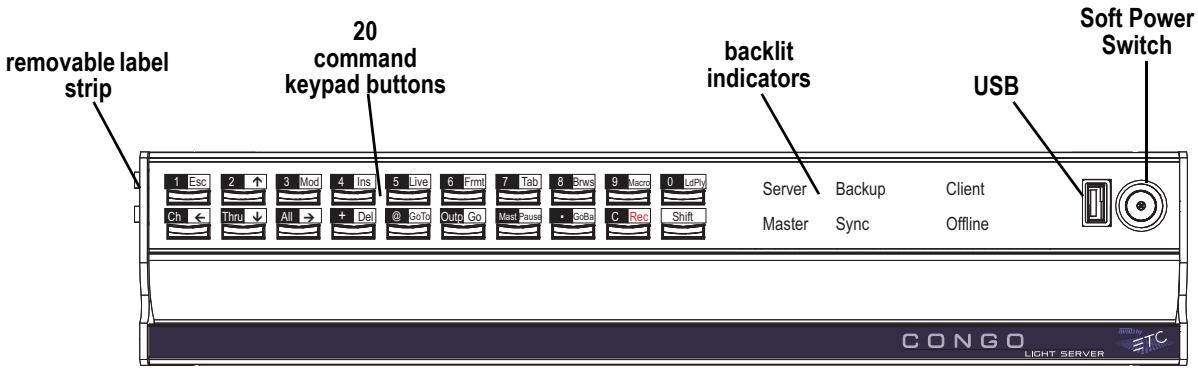
Pin	Use
1	Common (shield)
2	Data -
3	Data +
4	no connection
5	no connection



Remote Trigger connector pinout



Operation Overview



Backlit indicators identify the operating status of the light server.
LEDs indicate which mode the unit is operating (server, backup, client) and the status of the operation (master, backup sync or offline).

- The “Server” LED will illuminate when the unit is configured as a server.
- The “Backup” LED will illuminate when the unit is configured as backup.
- The “Client” LED will illuminate when the unit is configured as a client.
- The “Master” LED will illuminate when the unit is controlling the lighting system, and will blink when the Backup is in control.
- The “Sync” LED will illuminate when the unit is synchronized with a server and will blink when the connection to the server has been lost.
- The “Offline” LED is illuminated when the unit is running offline.

20 command keypad buttons are configured for single Congo commands.
The 20 command buttons are set to default button assignments for optimal operation. Press and hold the **[Shift]** button to select the alternate function of any button (for example: **[Shift] [1]** to *Escape*).

USB port is provided for easy show loading to or from a USB storage device.